

**I ment**  
**includes varying transmissive characteristics for processing**  
**n n-contiguous**  
**predetermined wavelength bands of the dispersed spectrum.**

**CLPR:**

**3. An optical filter as defined in claim 2, wherein the first**  
**dispersive**  
**element and the second dispersive element comprise dispersion**  
**gratings.**

**CLPR:**

**4. An optical filter as defined in claim 2, wherein the processing**  
**element**  
**displaces selected wavelength bands in the focal plane.**

**CLPR:**

**5. An optical filter as defined in claim 4 wherein the processing**  
**element**  
**further includes means for dividing the spectrum into bands and**  
**for locally**  
**inverting wavelengths of light centered about a center wavelength**  
**within each**  
**band.**

**CLPR:**

**6. An optical filter as defined in claim 5, wherein the means for**  
**dividing the**  
**spectrum into bands and for locally inverting wavelengths of light**  
**centered**  
**about a center wavelength within each band is selected from the**  
**group**  
**consisting of an array of micro-refractive optical systems; and an**  
**array of 90**  
**degree V-groove micro-mirrors.**